



#4/ *Pha.*  
*J. Steptu*  
*11-8-01*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Jackson, Thomas N.  
Serial No. : 09/882,815  
Filed : June 15, 2001  
Title : MOLECULAR PROBE STATION  
Examiner : Not Yet Assigned  
Art Unit : Not Yet Assigned  
Atty. Docket No. : 823.0098USU

Box Non-Fee Amendment  
Commissioner for Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Dear Sir:

Please enter the following amendments in the above-noted application.

**In the Claims**

Please amend claims 1-8 as follows.

1. A method for measuring an electrical characteristic on a molecular scale, said method comprising the steps of:

probing a molecular layer using atomic force microscopy (AFM) having a cantilever including a large contact area probe tip by controlling the force applied to said probe tip; and

detecting, in response to said probing, an electrical characteristic of said molecular layer.

2. The method of claim 1, wherein the large contact area probe tip comprises a large radius sphere affixed to the cantilever.

3. The method of claim 1, wherein the step of probing includes varying the force applied to said probe tip.

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*at*  
*cont.*



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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): T. Jackson  
Serial No.: 09/882,815  
For: MOLECULAR PROBE STATION  
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Art Unit: Not Yet Assigned  
Attorney Docket: 823.0098USU

**BOX NON-FEE AMENDMENT  
COMMISSIONER FOR PATENTS  
Washington, D.C. 20231**

Dear Sir:

**AMENDMENT TRANSMITTAL FORM**

Transmitted herewith is a Preliminary Amendment.

The fee for any change in number of claims has been calculated as shown below.

CLAIMS AS AMENDED						
	Claims Remaining After Amendment		Highest Number Previously Paid	Present Extra	Rate	
Total Claims	15	Minus	15	0	x \$18.00	\$
Independent Claims	2	Minus	2	0	x \$80.00	\$
MULTIPLE DEPENDENT CLAIM FEE				x \$0 = \$		
TOTAL FEE FOR CLAIM CHANGES				PAID		

The total fee for this amendment, including claim changes calculated to be \$ 00.00 .

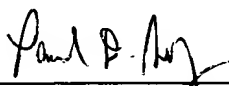
\_\_\_ A request for an Extension of Time is enclosed.

\_\_\_ A check in the amount of \$ \_\_\_ is attached.

XX The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. §§1.16 and 1.17 which may be required with this communication or during the entire pendency of the application, or credit any overpayment, to **Deposit Account No. 01-0467**. A duplicate copy of this Form is enclosed.

August 16, 2001

Date

  
\_\_\_\_\_  
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**CERTIFICATE OF MAILING**

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: BOX NON-FEE AMENDMENT, COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231, ON August 16, 2001.

Jeffrey J. Scepanski  
NAME

  
\_\_\_\_\_  
SIGNATURE

08/16/01  
DATE